

Classification and Division – U.L. Listing

Class I, Groups C and D, Division 1 and 2

Class II, Groups E, F and G, Division 1 and 2

Heat Exchanger and Elements

Heavy walled, liquid filled heat exchanger with three-immersion type copper sheathed elements. The elements shall have the highest quality nickel-chromium resistance wire encased in a magnesium oxide dielectric and be hermetically sealed into the heat exchanger core. The heat transfer fluid is Ethylene-glycol solution for operation to – 45 degrees C (-49 degrees F). Stainless steel and aluminum pressure relief valve for overpressure.

Thermal Cutout High Limit Protection and Optional Pilot Light

The capillary type manual reset thermal cutout shall be rated for 600 cycles of service and mounted in the liquid filled heat exchanger. An optional pilot light to indicate manual reset tripped, if safe operating temperatures are exceeded, is located on control enclosure.

Motor

The motor shall be a permanent split capacitor type, permanently lubricated, ball bearing type. The motor shall be rated for hazardous location and operate at rated voltage of heater single phase, 60 Hz, 1725 RPM.

Control Enclosure

All controls shall be factory installed and wired in a hazardous location enclosure. Contactors and back-up contactors are heavy duty type and break all ungrounded conductors and be rated for 100,000 cycles at full load. Standard 24-volt control circuit shall be supplied by internal class II transformer. An optional factory wired integral thermostat or standard terminal block for field wiring to optional remote wall thermostat are wired in control panel.

Disconnect Switch

Factory mounted and wired hazardous location disconnect switch is available as optional accessory.

Cabinet With Adjustable Louvers

The Cabinet shall be 14 gauge, cold rolled steel with powder coated epoxy finish. Plated fan guards with less than ¼ " spacing to cover motor and fan shall conform to OSHA Requirements.

Note

Before selecting a hazardous location electric heater refer to Article 500 or other applicable standard referenced in the National Electric Code.

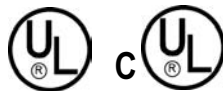
SUBMITTAL DATA, HLA SERIES

AGENT	PROJECT	ENGINEER	DATE

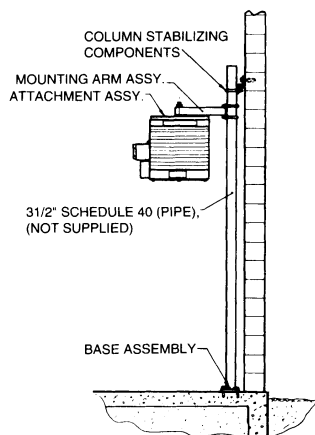
TAG				
QTY.				
SERIES	HLA	HLA	HLA	HLA
MODEL				
VOLTS / PHASE				
KW				
AMPS				
CONTROL VOLTAGE	24	24	24	24
THERMOSTAT	BUILT IN / WALL	BUILT IN / WALL	BUILT IN / WALL	BUILT IN / WALL
MOUNTING KIT				
NOTES				



Shown with optional
pilot light and
disconnect switch

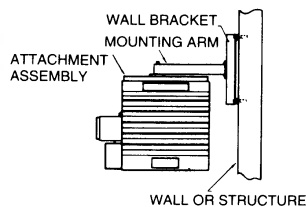


MOUNTING BRACKETS		
NUMBER	USE WITH HEATERS	WT.
HLPM37	3.0 KW - 7.5 KW	37 lbs.
HLPM1015	10.0 KW - 15.0 KW	38 lbs.
HLPM2025	20.9 KW - 25.0 KW	40 lbs.
HLHM	ALL	5 lbs.
HLWM37	3.0 KW - 7.5 KW	27 lbs.
HLWM1015	10.0 KW - 15.0 KW	28 lbs.
HLWM2025	20.9 KW - 25.0 KW	29 lbs.



HLPM Pipe Mounting Kit

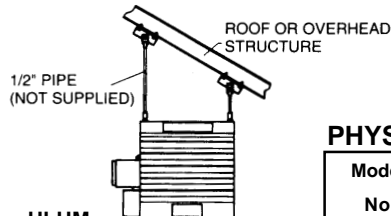
Particularly useful in buildings with insufficient strength to use other types of mounts. Requires 3 1/2" pipe (4" O.D. - not supplied).



HLWM

Wall Mounting Kit

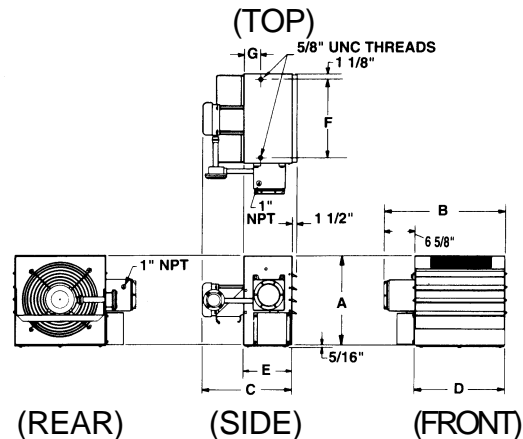
Ideal for use in buildings that have substantial walls. Arm only can also be bolted directly to structural steel.



HLHM

Hanging Mounting Kit

Simple and economical if adequate overhead structure exists. Requires 1/2" pipe, cut and threaded (not supplied).



PHYSICAL DIMENSIONS AND WEIGHT (inches & pounds)

Model No.	A	B	C		D	E	F	G	lbs.
			3 ph.	1 ph.					
HLA12	17 3/4	22 3/8	19 3/4	20 5/8	16 1/4	10 1/2	14	3	167
HLA16	20 3/4	26 3/8	20 3/4	21 5/8	20 1/4	11 1/2	18	4	193
HLA20	24 3/4	30 3/8	22 1/2	-	24 1/4	12 1/2	22	4 1/2	225